

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	2341	(matrix or ecm) near3 metalloproteinase\$1	USPAT; US-PGPUB	2003/12/03 14:10
2	L2	151	1 near3 (membrane\$1 or transmembrane\$1)	USPAT; US-PGPUB	2003/12/03 14:11

PGPUB-DOCUMENT-NUMBER: 20030219402

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030219402 A1

TITLE: Chimeric molecules for cleavage in a treated host

PUBLICATION-DATE: November 27, 2003

US-CL-CURRENT: 424/85.1, 424/185.1, 424/195.15, 424/725, 424/94.1, 514/2  
, 514/44, 514/54, 514/8

APPL-NO: 10/ 367555

DATE FILED: February 14, 2003

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60357740 20020214 US

[0001] This application is related to provisional application No. 60/357,740 entitled "Chimeric molecules for Cleavage in a Treated Host," filed Feb. 14, 2002, from which priority is claimed under 35 USC .sctn.119(e)(1) and which application is incorporated herein by reference in its entirety.

PGPUB-DOCUMENT-NUMBER: 20030216322

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030216322 A1

TITLE: Peptides for recognition and targeting of GLIAL cell  
tumors

PUBLICATION-DATE: November 20, 2003

US-CL-CURRENT: 514/16, 435/235.1 , 435/320.1 , 435/325 , 435/69.1 , 530/328  
, 536/23.1

APPL-NO: 10/ 357929

DATE FILED: February 4, 2003

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60354118 20020204 US

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application claims the benefit of U.S. Provisional Application No.  
60/354,118, filed Feb. 4, 2002.

PGPUB-DOCUMENT-NUMBER: 20030215420

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030215420 A1

TITLE: Novel therapeutic treatment of chronic obstructive  
pulmonary disease

PUBLICATION-DATE: November 20, 2003

US-CL-CURRENT: 424/85.1, 424/725 , 435/6 , 435/7.23 , 514/44

APPL-NO: 10/ 204496

DATE FILED: May 19, 2003

PCT-DATA:

APPL-NO: PCT/US01/06579

DATE-FILED: Mar 1, 2001

PUB-NO:

PUB-DATE:

371-DATE:

102(E)-DATE:

[0001] This application is a continuation-in-part of U.S. Ser. No.  
09/514,885, filed Feb. 29, 2000, the contents of which are hereby incorporated  
by reference.

PGPUB-DOCUMENT-NUMBER: 20030203864

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030203864 A1

TITLE: Treatment of cancer

PUBLICATION-DATE: October 30, 2003

US-CL-CURRENT: 514/44, 435/6 , 435/7.23

APPL-NO: 10/ 133226

DATE FILED: April 26, 2002

#### CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority from Australian application no. PQ 3676, filed Oct. 26, 1999 and PCT application no. PCT/AU00/01315, filed Oct. 26, 2000, the contents of each are incorporated herein by reference.

PGPUB-DOCUMENT-NUMBER: 20030199474

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030199474 A1

TITLE: Method and pharmaceutical composition for inhibiting  
invasion and/or metastasis of ovarian carcinoma

PUBLICATION-DATE: October 23, 2003

US-CL-CURRENT: 514/50, 514/51

APPL-NO: 10/ 423549

DATE FILED: April 25, 2003

RELATED-US-APPL-DATA:

child 10423549 A1 20030425

parent continuation-in-part-of 10080662 20020225 US PENDING

[0001] This is a continuation-in-part application claiming the benefit of  
application Ser. No. 10/080,662 filed Feb. 25, 2002.

PGPUB-DOCUMENT-NUMBER: 20030199440

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030199440 A1

TITLE: Composition for the treatment of damaged tissue

PUBLICATION-DATE: October 23, 2003

US-CL-CURRENT: 514/12

APPL-NO: 10/ 131985

DATE FILED: April 25, 2002

RELATED-US-APPL-DATA:

child 10131985 A1 20020425

parent continuation-of 09725295 20001129 US PENDING

non-provisional-of-provisional 60186426 20000302 US

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
GB	9930768.8	1999GB-9930768.8	December 29, 1999

PGPUB-DOCUMENT-NUMBER: 20030191061

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030191061 A1

TITLE: Treatment methods using homeopathic preparations of  
growth factors

PUBLICATION-DATE: October 9, 2003

US-CL-CURRENT: 514/12, 604/500

APPL-NO: 10/ 304635

DATE FILED: November 26, 2002

RELATED-US-APPL-DATA:

child 10304635 A1 20021126

parent continuation-in-part-of 09499230 20000207 US GRANTED

parent-patent 6485480 US

child 09499230 20000207 US

parent division-of 08855096 19970513 US GRANTED

parent-patent 6024734 US

child 08855096 19970513 US

parent continuation-in-part-of 08710040 19960910 US GRANTED

parent-patent 5629286 US

child 08710040 19960910 US

parent continuation-of 08488722 19950608 US ABANDONED

child 08488722 19950608 US

parent continuation-in-part-of 08221365 19940331 US ABANDONED

child 10304635 A1 20021126

parent continuation-in-part-of 10001367 20011030 US PENDING

child 10001367 20011030 US



parent continuation-in-part-of 09870132 20010529 US ABANDONED

child 09870132 20010529 US

parent continuation-of 09251820 19990217 US GRANTED

parent-patent 6239105 US

child 09251820 19990217 US

parent continuation-in-part-of 08855096 19970513 US GRANTED

parent-patent 6024734 US

child 08855096 19970513 US

parent continuation-in-part-of 08710040 19960910 US GRANTED

parent-patent 5629286 US

child 08710040 19960910 US

parent continuation-of 08488722 19950608 US ABANDONED

child 08488722 19950608 US

parent continuation-in-part-of 08221365 19940331 US ABANDONED

#### CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation-in-part of prior U.S. patent application Ser. No. 09/499,230, filed Sep. 7, 2000, issuing on Nov. 26, 2002 as U.S. Pat. No. 6,485,480, which is a divisional application of U.S. patent application Ser. No. 08/855,096, filed May 13, 1997, issued Feb. 15, 2000 as U.S. Pat. No. 6,024,734, which is a continuation-in-part of U.S. patent application Ser. No. 08/710,040, filed Sep. 10, 1996, issued May 13, 1997 as U.S. Pat. No. 5,629,286, which is a continuation of U.S. patent application Ser. No. 08/488,722, filed Jun. 8, 1995, now abandoned, which is a continuation-in-part of U.S. patent application Ser. No. 08/221,365 filed Mar. 31, 1994, now abandoned.

[0002] This application is also a continuation-in-part of prior U.S. patent application Ser. No. 10/001,367, filed Oct. 30, 2001, which is a continuation-in-part of U.S. patent application Ser. No. 09/870,132, filed May 29, 2001, which is a continuation of U.S. patent application Ser. No. 09/251,820, filed Feb. 17, 1999, issued May 29, 2001 as U.S. Pat. No. 6,239,105, which is a continuation-in-part of U.S. patent application Ser. No. 08/855,096 filed May 13, 1997, issued Feb. 15, 2000 as U.S. Pat. No. 6,024,734, which is a continuation-in-part of prior U.S. patent application Ser. No. 08/710,040, filed Sep. 10, 1996, issued May 13, 1997 as U.S. Pat. No. 5,629,286, which is a continuation of U.S. patent application Ser. No. 08/488,722, filed Jun. 8, 1995, now abandoned, which is a continuation-in-part of U.S. patent application Ser. No. 08/221,365 filed Mar. 31, 1994, now

abandoned.

[0003] Each of these applications and U.S. patents is incorporated herein by reference in its entirety.

PGPUB-DOCUMENT-NUMBER: 20030182302

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030182302 A1

TITLE: System and method for identifying networks of ternary  
relationships in complex data systems

PUBLICATION-DATE: September 25, 2003

US-CL-CURRENT: 707/102

APPL-NO: 10/ 330007

DATE FILED: December 24, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60343990 20011226 US

#### CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority from U.S. provisional application serial No. 60/343,990 filed on Dec. 26, 2001, incorporated herein by reference.

PGPUB-DOCUMENT-NUMBER: 20030175961

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030175961 A1

TITLE: Immortal micorvascular endothelial cells and uses  
thereof

PUBLICATION-DATE: September 18, 2003

US-CL-CURRENT: 435/372, 424/93.21 , 435/4

APPL-NO: 10/ 086118

DATE FILED: February 26, 2002

#### RELATED APPLICATIONS

[0001] This application is a continuation-in-part of a U.S. patent application titled, "In Vivo Assay for Anti Angiogenic Compounds," serial no. XXX, pending, filed on Feb. 26, 2002, which is a non-provisional application converted from U.S. Provisional Application Serial No. 60/271,778, filed Feb. 27, 2001, which claims priority to WO 00/56898, filed Mar. 24, 2000, which is based on U.S. Provisional Application Serial No. 60/126,015, filed Mar. 24, 1999.

PGPUB-DOCUMENT-NUMBER: 20030170758

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030170758 A1

TITLE: Novel antibodies, drugs containing these antibodies and  
methods for screening compounds by using these  
antibodies

PUBLICATION-DATE: September 11, 2003

US-CL-CURRENT: 435/7.23, 435/7.92 , 530/388.26

APPL-NO: 10/ 406209

DATE FILED: April 4, 2003

RELATED-US-APPL-DATA:

child 10406209 A1 20030404

parent continuation-of 09806228 20010328 US PENDING

child 09806228 20010328 US

parent a-371-of-international PCT/JP99/05350 19990929 WO UNKNOWN

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
JP	291501/1998	1998JP-291501/1998	September 29, 1998
JP	291503/1998	1998JP-291503/1998	September 29, 1998

PGPUB-DOCUMENT-NUMBER: 20030170713

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030170713 A1

TITLE: Method of detecting androgen-regulated gene

PUBLICATION-DATE: September 11, 2003

US-CL-CURRENT: 435/6, 435/287.2

APPL-NO: 10/ 390045

DATE FILED: March 18, 2003

RELATED-US-APPL-DATA:

child 10390045 A1 20030318

parent division-of 09769482 20010126 US GRANTED

parent-patent 6566130 US

non-provisional-of-provisional 60178772 20000128 US

non-provisional-of-provisional 60179045 20000131 US

#### CROSS REFERENCE TO RELATED APPLICATIONS

[0001] The present application is based upon U.S. provisional applications S. Nos. 60/178,772, and 60/179,045, filed Jan. 28, 2000, and Jan. 31, 2000, respectively, priority to which is claimed under 35 U.S.C. .sctn.119(e). The entire disclosures of U.S. provisional applications S. Nos. 60/178,772, and 60/179,045, are expressly incorporated herein by reference.

PGPUB-DOCUMENT-NUMBER: 20030170245

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030170245 A1

TITLE: Activation of matriptase and diagnostic and therapeutic  
methods based thereon

PUBLICATION-DATE: September 11, 2003

US-CL-CURRENT: 424/155.1, 435/7.23

APPL-NO: 10/ 087987

DATE FILED: March 5, 2002

PGPUB-DOCUMENT-NUMBER: 20030166728

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030166728 A1

TITLE: Prostacyclin derivative containing compositions and  
methods of using the same for the treatment of cancer

PUBLICATION-DATE: September 4, 2003

US-CL-CURRENT: 514/569, 514/567 , 514/618 , 514/622

APPL-NO: 10/ 047802

DATE FILED: January 16, 2002



PGPUB-DOCUMENT-NUMBER: 20030166567

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030166567 A1

TITLE: Anti-aging and wound healing compounds

PUBLICATION-DATE: September 4, 2003

US-CL-CURRENT: 514/14, 435/184 , 514/15

APPL-NO: 10/ 219561

DATE FILED: August 15, 2002

RELATED-US-APPL-DATA:

child 10219561 A1 20020815

parent continuation-in-part-of 10153185 20020521 US PENDING

child 10219561 A1 20020815

parent continuation-in-part-of 10032376 20011221 US PENDING

non-provisional-of-provisional 60312726 20010816 US

[0001] This application is a continuation-in-part of U.S. patent application Ser. No. 10/153,185 filed May 21, 2002, and U.S. patent application Ser. No. 10/032,376 filed Dec. 21, 2001, both of which claim priority to U.S. Provisional Patent Application Serial No. 60/312,726, filed Aug. 16, 2001, all of which are incorporated herein by reference in their entirety.

PGPUB-DOCUMENT-NUMBER: 20030162743

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030162743 A1

TITLE: MATRIX METALLOPROTEINASE AND TUMOR NECROSIS FACTOR  
INHIBITORS

PUBLICATION-DATE: August 28, 2003

US-CL-CURRENT: 514/49, 514/269, 536/28.53, 544/310

APPL-NO: 10/ 080662

DATE FILED: February 25, 2002

PGPUB-DOCUMENT-NUMBER: 20030157585

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030157585 A1

TITLE: METHOD FOR EVALUATING MATRIX METALLOPROTEASE INHIBITORY  
ACTIVITY

PUBLICATION-DATE: August 21, 2003

US-CL-CURRENT: 435/23

APPL-NO: 09/ 979510

DATE FILED: February 28, 2002

CONTINUED PROSECUTION APPLICATION: This is a publication of a continued prosecution application (CPA) filed under 37 CFR 1.53(d).

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
JP	143308/1999	1999JP-143308/1999	May 24, 1999
JP	212145/1999	1999JP-212145/1999	July 27, 1999

PCT-DATA:

APPL-NO: PCT/JP00/03270

DATE-FILED: May 23, 2000

PUB-NO:

PUB-DATE:

371-DATE:

102(E)-DATE:

PGPUB-DOCUMENT-NUMBER: 20030148959

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030148959 A1

TITLE: Anti-aging and wound healing compounds

PUBLICATION-DATE: August 7, 2003

US-CL-CURRENT: 514/15, 435/184 , 514/16

APPL-NO: 10/ 153185

DATE FILED: May 21, 2002

RELATED-US-APPL-DATA:

child 10153185 A1 20020521

parent continuation-in-part-of 10032376 20011221 US PENDING

non-provisional-of-provisional 60312726 20010816 US

[0001] This application is a continuation-in-part of U.S. patent application Ser. No. 10/032,376, filed Dec. 21, 2001, which claims priority to U.S. Provisional Patent Application Serial No. 60/312,726, filed Aug. 16, 2001, both of which are incorporated herein by reference in their entirety.

PGPUB-DOCUMENT-NUMBER: 20030144481

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030144481 A1

TITLE: Anti-angiogenic proteins and fragments and methods of  
use thereof

PUBLICATION-DATE: July 31, 2003

US-CL-CURRENT: 530/388.8, 424/155.1

APPL-NO: 10/ 032221

DATE FILED: December 21, 2001

RELATED-US-APPL-DATA:

child 10032221 A1 20011221

parent continuation-in-part-of PCT/US01/00565 20010108 US PENDING

child PCT/US01/00565 20010108 US

parent continuation-in-part-of 09625191 20000721 US PENDING

child PCT/US01/00565 20010108 US

parent continuation-in-part-of 09543371 20000404 US PENDING

child PCT/US01/00565 20010108 US

parent continuation-in-part-of 09479118 20000107 US PENDING

child 09479118 20000107 US

parent continuation-in-part-of 09335224 19990617 US PENDING

non-provisional-of-provisional 60089689 19980617 US

non-provisional-of-provisional 60126175 19990325 US

#### RELATED APPLICATIONS

[0001] This application is a continuation-in-part of International Application No. PCT/US01/00565, which designated the United States and was filed on Jan. 8, 2001, to be published in English, which is a continuation-in-part of application Ser. No. 09/625,191, filed Jul. 21, 2000, U.S. Ser. No. 09/543,371, filed Apr. 4, 2000, and U.S. Ser. No. 09/479,118, filed Jan. 7, 2000. U.S. Ser. No. 09/625,191 is in turn a Continuation-In-Part of U.S.

Ser. No. 09/543,371, which, with U.S. Ser. No. 09/479,118, is a Continuation-In-Part of U.S. Ser. No. 09/335,224, filed Jun. 17, 1999, which in turn claims the benefit of U.S. provisional application No. 60/089,689, filed Jun. 17, 1998 and U.S. provisional application No. 60/126,175, filed Mar. 25, 1999. The entire teachings of all these applications are incorporated herein by reference.

PGPUB-DOCUMENT-NUMBER: 20030144274

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030144274 A1

TITLE: Alkyne matrix metalloproteinase inhibitors

PUBLICATION-DATE: July 31, 2003

US-CL-CURRENT: 514/223.2, 514/222.8 , 514/256 , 514/300 , 514/312 , 514/336  
, 544/10 , 544/11 , 544/12 , 544/333 , 546/113 , 546/153  
, 546/268.1

APPL-NO: 10/ 264764

DATE FILED: October 4, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60329216 20011012 US

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
	PCT/IB02/03057		August 2, 2002

#### CROSS-REFERENCES TO RELATED APPLICATIONS

[0001] This application claims benefit of priority from PCT International patent application no. PCT/IB02/03057, filed Aug. 2, 2002, and U.S. provisional patent application Nos. 60/395,254, filed Jul. 12, 2002, and 60/329,216, filed Oct. 12, 2001.

PGPUB-DOCUMENT-NUMBER: 20030138432

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030138432 A1

TITLE: Selective cellular targeting: multifunctional delivery  
vehicles, multifunctional prodrugs, use as  
antineoplastic drugs

PUBLICATION-DATE: July 24, 2003

US-CL-CURRENT: 424/178.1

APPL-NO: 09/ 738625

DATE FILED: December 15, 2000

RELATED-US-APPL-DATA:

child 09738625 A1 20001215

parent continuation-of 09712465 20001115 US ABANDONED

non-provisional-of-provisional 60165485 19991115 US

non-provisional-of-provisional 60239478 20001011 US

non-provisional-of-provisional 60241939 20001010 US



PGPUB-DOCUMENT-NUMBER: 20030134298

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030134298 A1

TITLE: Nucleic acid molecules encoding a transmembrane serine  
protease 20, the encoded polypeptides and methods based  
thereon

PUBLICATION-DATE: July 17, 2003

US-CL-CURRENT: 435/6, 435/226 , 435/320.1 , 435/325 , 435/69.1 , 536/23.2

APPL-NO: 10/ 190030

DATE FILED: July 3, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60302939 20010703 US

#### RELATED APPLICATIONS

[0001] Benefit of priority under 35 U.S.C. .sctn.119(e) is claimed to U.S. provisional application Serial No. 60/302,939, filed Jul. 3, 2001, to Edwin L. Madison and Edgar O. Ong, entitled "NUCLEIC ACID MOLECULES ENCODING TRANSMEMBRANE SERINE PROTEASE 20, THE ENCODED PROTEINS AND METHODS BASED THEREON." The subject matter of this application is incorporated in its entirety by reference thereto.

[0002] This application is also related to International PCT application No. \_\_\_\_\_ (attorney docket no. 24745-1618PC), filed on the same day herewith, entitled "NUCLEIC ACID MOLECULES ENCODING TRANSMEMBRANE SERINE PROTEASE 20, THE ENCODED POLYPEPTIDES AND METHODS BASED THEREON." The disclosure of the PCT application is herein incorporated by reference in its entirety.

PGPUB-DOCUMENT-NUMBER: 20030124534

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124534 A1

TITLE: Method of detecting and treating Tuberous Sclerosis  
Complex associated disorders

PUBLICATION-DATE: July 3, 2003

US-CL-CURRENT: 435/6

APPL-NO: 10/ 016253

DATE FILED: December 10, 2001

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60254268 20001208 US

[0001] This application claims priority from U.S. S. No. 60/254,268, filed Dec. 8, 2000, which is incorporated by reference in its entirety.

PGPUB-DOCUMENT-NUMBER: 20030119168

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030119168 A1

TITLE: Nucleic acid molecules encoding transmembrane serine  
proteases, the encoded proteins and methods based  
thereon

PUBLICATION-DATE: June 26, 2003

US-CL-CURRENT: 435/226, 435/320.1, 435/325, 435/69.1, 435/7.23, 536/23.2

APPL-NO: 09/ 776191

DATE FILED: February 2, 2001

RELATED-US-APPL-DATA:

child 09776191 A1 20010202

parent continuation-in-part-of 09657986 20000908 US PENDING

non-provisional-of-provisional 60179982 20000203 US

non-provisional-of-provisional 60183542 20000218 US

non-provisional-of-provisional 60213124 20000622 US

non-provisional-of-provisional 60220970 20000726 US

non-provisional-of-provisional 60234840 20000922 US

#### RELATED APPLICATIONS

[0001] For U.S. purposes, benefit of priority under 35 U.S.C. .sctn. 119(e) to U.S. provisional application Serial No. 60/179,982, to Edwin L. Madison and Edgar O. Ong, filed Feb. 3, 2000, entitled "NUCLEOTIDE AND PROTEIN SEQUENCES OF A TRANSMEMBRANE SERINE PROTEASE AND METHODS BASED THEREOF"; to U.S. provisional application Serial No. 60/183,542, to Edwin L. Madison and Edgar O. Ong, filed Feb. 18, 2000, entitled "NUCLEOTIDE AND PROTEIN SEQUENCES OF A TRANSMEMBRANE SERINE PROTEASE AND METHODS BASED THEREOF"; to U.S. provisional application Serial No. 60/213,124, to Edwin L. Madison and Edgar O. Ong, filed Jun. 22, 2000, entitled "NUCLEOTIDE AND PROTEIN SEQUENCES OF A TRANSMEMBRANE SERINE PROTEASE AND METHODS BASED THEREOF"; to U.S. provisional application Serial No. 60/220,970, to Edwin L. Madison and Edgar O. Ong, filed Jul. 26, 2000, entitled "NUCLEOTIDE AND PROTEIN SEQUENCES OF A TRANSMEMBRANE SERINE

PROTEASE AND METHODS BASED THEREOF"; and to U.S. provisional application Serial No. 06/234,840 to Edwin L. Madison, Edgar O. Ong and Jiunn-Chern Yeh, filed Sep. 22, 2000, entitled "NUCLEIC ACID MOLECULES ENCODING TRANSMEMBRANE SERINE PROTEASES, THE ENCODED PROTEINS AND METHODS BASED THEREON" is claimed

herein. Benefit of priority under 35 U.S.C. .sctn.120 to U.S. application Ser. No. 09/657,968, to Edwin L. Madison, Joseph Edward Semple, Gary Samuel Coombs, John Eugene Reiner, Edgar O. Ong, Gian Luca Araldi, filed Sep. 8, 2000, entitled "INHIBITORS OF SERINE PROTEASE ACTIVITY OF MATRIPTASE OR MTSP1" is also claimed herein. This application is a continuation-in-part of U.S. application Ser. No. 09/657,986. For international purposes, benefit of priority to each of the above-noted applications is claimed herein.

[0002] This application is related to U.S. provisional application Serial No. 60/166,391 to Edwin L. Madison and Edgar O. Ong, filed Nov. 18, 1999 entitled "NUCLEOTIDE AND PROTEIN SEQUENCES OF PROTEASE DOMAINS OF ENDOTHELIASE AND METHODS BASED THEREON". This a application is also related to International PCT application No. PCT/US00/31803, filed Nov. 17, 2000.

[0003] The above-noted provisional applications, patent application and International PCT application are incorporated by reference in their entirety. All patents, applications, published applications and other publications and sequences from GenBank and other data bases referred to herein are incorporated by reference in their entirety.

PGPUB-DOCUMENT-NUMBER: 20030109021

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030109021 A1

TITLE: Polynucleotide encoding a novel metalloprotease highly  
expressed in the testis, MMP-29

PUBLICATION-DATE: June 12, 2003

US-CL-CURRENT: 435/226, 435/320.1 , 435/325 , 435/69.1 , 536/23.2

APPL-NO: 10/ 133797

DATE FILED: April 26, 2002

RELATED-US-APPL-DATA:

non-provisional-of-provisional 60286764 20010426 US

[0001] This application claims benefit to provisional application U.S. Serial No. 60/286,764 filed Apr. 26, 2001. The entire teachings of the referenced applications are incorporated herein by reference.

PGPUB-DOCUMENT-NUMBER: 20030108512

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030108512 A1

TITLE: Modified prostaglandin compounds and analogs thereof,  
compositions containing the same useful for the  
treatment of cancer

PUBLICATION-DATE: June 12, 2003

US-CL-CURRENT: 424/78.24, 424/78.38 , 514/23 , 514/573 , 514/59

APPL-NO: 10/ 006197

DATE FILED: December 10, 2001

US-PAT-NO: 6656932

DOCUMENT-IDENTIFIER: US 6656932 B2

TITLE: Benzo thiadiazine matrix metalloproteinase inhibitors

DATE-ISSUED: December 2, 2003

US-CL-CURRENT: 514/223.2, 514/211.08, 514/211.15, 514/212.08, 514/222.8  
, 540/599, 544/12, 544/13

APPL-NO: 10/ 074646

DATE FILED: February 13, 2002

PARENT-CASE:

#### CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims benefit of priority from U.S. provisional application No. 60/268,782, filed Feb. 14, 2001.

US-PAT-NO: 6656461

DOCUMENT-IDENTIFIER: US 6656461 B1

TITLE: Therapeutic treatment of chronic obstructive pulmonary  
disease

DATE-ISSUED: December 2, 2003

US-CL-CURRENT: 424/85.1, 514/12 , 530/300 , 530/350

APPL-NO: 09/ 514885

DATE FILED: February 29, 2000



US-PAT-NO: 6649377

DOCUMENT-IDENTIFIER: US 6649377 B1

TITLE: Human aggrecanase and nucleic acid compositions encoding  
the same

DATE-ISSUED: November 18, 2003

US-CL-CURRENT: 435/70.1, 435/320.1 , 435/325 , 536/23.1 , 536/23.5

APPL-NO: 09/ 568559

DATE FILED: May 9, 2000

PARENT-CASE:

#### CROSS REFERENCE TO RELATED APPLICATIONS

Pursuant to 35 U.S.C. .sctn.119 (e), this application claims priority to the filing date of the U.S. Provisional Patent Application Serial No. 60/133,343 filed May 10, 1999, the disclosure of which is herein incorporated by reference.

US-PAT-NO: 6645993

DOCUMENT-IDENTIFIER: US 6645993 B2

TITLE: 3-heterocyclylpropanohydroxamic acid PCP inhibitors

DATE-ISSUED: November 11, 2003

US-CL-CURRENT: 514/374, 546/269.1 , 548/236

APPL-NO: 10/ 109756

DATE FILED: March 29, 2002

PARENT-CASE:

#### CROSS-REFERENCE TO RELATED APPLICATIONS

This non-provisional patent application claims priority to United Kingdom Patent Application No. GB 0108097.7, filed Mar. 30, 2001, and to U.S. Patent Application No. 60/293,419, filed May 24, 2001, each of which is hereby incorporated by reference in its entirety.

#### FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
GB	0108097	March 30, 2001

US-PAT-NO: 6642041

DOCUMENT-IDENTIFIER: US 6642041 B2

TITLE: Polynucleotides encoding a novel metalloprotease, MP-1

DATE-ISSUED: November 4, 2003

US-CL-CURRENT: 435/226, 435/219 , 435/252.3 , 435/320.1 , 536/23.2

APPL-NO: 10/ 067443

DATE FILED: February 5, 2002

PARENT-CASE:

This application claims benefit to provisional application U.S. Ser. No. 60/266,518, filed Feb. 5, 2001; and to provisional application U.S. Ser. No. 60/282,814, filed Apr. 10, 2001. The entire teachings of the referenced applications are incorporated herein by reference.

US-PAT-NO: 6627411

DOCUMENT-IDENTIFIER: US 6627411 B2

TITLE: Method for evaluating matrix metalloprotease inhibitory activity

DATE-ISSUED: September 30, 2003

US-CL-CURRENT: 435/23, 435/29 , 435/4

APPL-NO: 09/ 979510

DATE FILED: February 28, 2002

PARENT-CASE:

This application is a 371 application of PCT/JP00/03270 filed May 23, 2000.

FOREIGN-APPL-PRIORITY-DATA:		
COUNTRY	APPL-NO	APPL-DATE
JP	11-143308	May 24, 1999
JP	11-212145	July 27, 1999

PCT-DATA:

APPL-NO: PCT/JP00/03270

DATE-FILED: May 23, 2000

PUB-NO: WO00/71167

PUB-DATE: Nov 30, 2000

371-DATE:

102(E)-DATE:

US-PAT-NO: 6624196

DOCUMENT-IDENTIFIER: US 6624196 B2

TITLE: Benzene butyric acids and their derivatives as  
inhibitors of matrix metalloproteinases

DATE-ISSUED: September 23, 2003

US-CL-CURRENT: 514/567, 514/561, 514/568

APPL-NO: 10/ 023288

DATE FILED: December 17, 2001

PARENT-CASE:

This application is a divisional application of application Ser. No.  
09/351,549, filed Jul. 12, 1999, now U.S. Pat. No. 6,541,521.

US-PAT-NO: 6624177

DOCUMENT-IDENTIFIER: US 6624177 B1

TITLE: Matrix metalloproteinase inhibitors and their  
therapeutic uses

DATE-ISSUED: September 23, 2003

US-CL-CURRENT: 514/326, 514/4 , 514/468 , 546/196 , 548/569 , 549/454  
, 549/461

APPL-NO: 09/ 254384

DATE FILED: March 2, 1999

PARENT-CASE:

This application claims the benefit of Provisional application Ser. No.  
60/025,062, filed Sep. 4, 1996.

PCT-DATA:

APPL-NO: PCT/US97/14859

DATE-FILED: August 22, 1997

PUB-NO: WO98/09934

PUB-DATE: Mar 12, 1998

371-DATE: Mar 2, 1999

102(E)-DATE: Mar 2, 1999

US-PAT-NO: 6624144

DOCUMENT-IDENTIFIER: US 6624144 B1

TITLE: Matrix metalloproteinase inhibitors and down-regulators

DATE-ISSUED: September 23, 2003

US-CL-CURRENT: 514/9, 435/219, 514/11, 514/15, 530/317, 530/328  
, 530/334, 530/344, 530/354, 530/360

APPL-NO: 09/ 646423

DATE FILED: November 20, 2000

FOREIGN-APPL-PRIORITY-DATA:		
COUNTRY	APPL-NO	APPL-DATE
FI	980604	March 18, 1998

PCT-DATA:

APPL-NO: PCT/FI99/00204

DATE-FILED: March 17, 1999

PUB-NO: WO99/47550

PUB-DATE: Sep 23, 1999

371-DATE:

102(E)-DATE:

US-PAT-NO: 6620835

DOCUMENT-IDENTIFIER: US 6620835 B2

TITLE: Method of inhibiting matrix metalloproteinases

DATE-ISSUED: September 16, 2003

US-CL-CURRENT: 514/411, 514/414, 514/419, 514/443, 514/468, 514/602  
, 548/443, 548/454, 548/496, 549/43, 549/461, 564/84  
, 564/88

APPL-NO: 10/ 162518

DATE FILED: June 4, 2002

PARENT-CASE:

#### CROSS-REFERENCE TO RELATED APPLICATIONS

This is a divisional U.S. patent application Ser. No. 09/254,384 filed on Mar. 2, 1999, now abandoned, which is a .sctn.371 national application of PCT/US97/14859, filed Aug. 22, 1997, which claims benefit of priority from U.S. Provisional Application Nos. 60/025,062, filed Sep. 4, 1996, and 60/055,713, filed Aug. 7, 1997.



US-PAT-NO: 6610484

DOCUMENT-IDENTIFIER: US 6610484 B1

TITLE: Identifying material from a breast duct

DATE-ISSUED: August 26, 2003

US-CL-CURRENT: 435/6, 435/7.1, 435/7.2, 435/7.23, 435/7.92, 436/501  
, 436/503, 436/504, 436/63, 436/64

APPL-NO: 09/ 625399

DATE FILED: July 26, 2000

PARENT-CASE:

#### CROSS-REFERENCES TO RELATED APPLICATIONS

This application is a continuation-in-part of application Ser. No. 09/502,404, filed on Feb. 10, 2000, which was a continuation-in-part of application Ser. No. 09/313,463, filed on May 17, 1999, which claimed the benefit of provisional application No. 60/117,281, filed on Jan. 26, 1999. This application is also a continuation-in-part of application Ser. No. 09/473,510, filed on Dec. 28, 1999 now U.S. Pat. No. 6,413,228. This application also claims the benefit under 37 CFR 1.78 of provisional application No. 60/166,100 filed on Nov. 17, 1999. The full disclosures of each of the prior applications are incorporated herein by reference.

US-PAT-NO: 6573096

DOCUMENT-IDENTIFIER: US 6573096 B1

TITLE: Compositions and methods for inhibition of cancer  
invasion and angiogenesis

DATE-ISSUED: June 3, 2003

US-CL-CURRENT: 435/326, 435/327 , 435/330 , 435/338

APPL-NO: 09/ 541785

DATE FILED: April 3, 2000

PARENT-CASE:

This application claims the benefit of provisional application U.S. Serial  
No. 60/193,987 filed Apr. 1, 2000.

PGPUB-DOCUMENT-NUMBER: 20030191061

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030191061 A1

TITLE: Treatment methods using homeopathic preparations of  
growth factors

PUBLICATION-DATE: October 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Brewitt, Barbara A.	Seattle	WA	US	

APPL-NO: 10/ 304635

DATE FILED: November 26, 2002

RELATED-US-APPL-DATA:

child 10304635 A1 20021126

parent continuation-in-part-of 09499230 20000207 US GRANTED

parent-patent 6485480 US

child 09499230 20000207 US

parent division-of 08855096 19970513 US GRANTED

parent-patent 6024734 US

child 08855096 19970513 US

parent continuation-in-part-of 08710040 19960910 US GRANTED

parent-patent 5629286 US

child 08710040 19960910 US

parent continuation-of 08488722 19950608 US ABANDONED

child 08488722 19950608 US

parent continuation-in-part-of 08221365 19940331 US ABANDONED

child 10304635 A1 20021126

parent continuation-in-part-of 10001367 20011030 US PENDING

child 10001367 20011030 US

parent continuation-in-part-of 09870132 20010529 US ABANDONED

child 09870132 20010529 US

parent continuation-of 09251820 19990217 US GRANTED

parent-patent 6239105 US

child 09251820 19990217 US

parent continuation-in-part-of 08855096 19970513 US GRANTED

parent-patent 6024734 US

child 08855096 19970513 US

parent continuation-in-part-of 08710040 19960910 US GRANTED

parent-patent 5629286 US

child 08710040 19960910 US

parent continuation-of 08488722 19950608 US ABANDONED

child 08488722 19950608 US

parent continuation-in-part-of 08221365 19940331 US ABANDONED

US-CL-CURRENT: 514/12, 604/500

#### ABSTRACT:

The present invention comprises homeopathic preparations of growth factors, cyclins, and methods for their use. Disorders which may be effectively treated with the compositions of the present invention include chronic viral disorders, such as HIV, AIDS, chronic fatigue syndrome and Epstein-Barr viral infections, cancer, diabetes, depression, and autism. Homeopathic preparations of growth factors and/or cyclins are preferably administered orally. In an alternative embodiment, patients are treated with radio frequency signals corresponding to homeopathic dilutions of growth factors.

#### CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation-in-part of prior U.S. patent application Ser. No. 09/499,230, filed Sep. 7, 2000, issuing on Nov. 26, 2002 as U.S. Pat. No. 6,485,480, which is a divisional application of U.S. patent application Ser. No. 08/855,096, filed May 13, 1997, issued Feb. 15, 2000 as U.S. Pat. No. 6,024,734, which is a continuation-in-part of U.S. patent application Ser. No. 08/710,040, filed Sep. 10, 1996, issued May 13, 1997 as U.S. Pat. No. 5,629,286, which is a continuation of U.S. patent application Ser. No. 08/488,722, filed Jun. 8, 1995, now abandoned, which is a

continuation-in-part of U.S. patent application Ser. No. 08/221,365 filed Mar. 31, 1994, now abandoned.

[0002] This application is also a continuation-in-part of prior U.S. patent application Ser. No. 10/001,367, filed Oct. 30, 2001, which is a continuation-in-part of U.S. patent application Ser. No. 09/870,132, filed May 29, 2001, which is a continuation of U.S. patent application Ser. No. 09/251,820, filed Feb. 17, 1999, issued May 29, 2001 as U.S. Pat. No. 6,239,105, which is a continuation-in-part of U.S. patent application Ser. No. 08/855,096 filed May 13, 1997, issued Feb. 15, 2000 as U.S. Pat. No. 6,024,734, which is a continuation-in-part of prior U.S. patent application Ser. No. 08/710,040, filed Sep. 10, 1996, issued May 13, 1997 as U.S. Pat. No. 5,629,286, which is a continuation of U.S. patent application Ser. No. 08/488,722, filed Jun. 8, 1995, now abandoned, which is a continuation-in-part of U.S. patent application Ser. No. 08/221,365 filed Mar. 31, 1994, now abandoned.

[0003] Each of these applications and U.S. patents is incorporated herein by reference in its entirety.

----- KWIC -----

#### Summary of Invention Paragraph - BSTX (25):

[0027] Other purified proteins that may be used alone in a homeopathic formulation, or in combination with purified growth hormone in a homeopathic formulation, include: growth factors described in prior related patents that are incorporated herein by reference, particularly insulin-like growth factor-1 (IGF-1) and related proteins; Fibrinogen .beta.; glycoprotein 130 (GP130); signal transducer and activator of transcription 3 (STAT3); mitogen activated protein kinase p38 (p38MAPK); growth arrest and DNA damage inducible protein 45 (GADD45); apurinic endonuclease (APEN); **membrane-type 1 matrix metalloproteinase-transmembrane** protein (MT1-MMP); monocarboxylate transporter 1 (MCT1); fatty acid binding protein (FABP); epidermal growth factor receptor (EGF-R and transforming growth factor-alpha receptor (TGF-alpha-R); insulin-like growth factor binding proteins 1 and 3 IGFBP-1 and IGFBP-3; acid labile subunit of the IGF binding complex (ALS); suppressors of cytokine signaling (SOCS); transcription factors c-fos, c-jun, interferon response factor (IRF)-1, and hepatocyte nuclear factor-6 (HNF-6). Combination of homeopathic potencies of purified growth hormone with purified insulin-like growth factor-1 are especially preferred for many applications.